

<110> INCYTE CORPORATION
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 SWARNAKAR, Anita
 ELLIOT, Vicki S.
 HAFALIA, April J. A.
 RICHARDSON, Thomas W.
 LEE, Soo Yeun
 LINDQUIST, Erika A.
 MARQUIS, Joseph P.
 CHAWLA, Narinder K.
 KHARE, Reena
 BECHA, Shanya D.

<120> IMMUNE RESPONSE ASSOCIATED PROTEINS

<130> PF-1565, PCT

<140> To Be Assigned
 <141> Herewith

<150> US 60/407,561
 <151> 2002-08-30

<150> US 60/410,178
 <151> 2002-09-11

<150> US 60/410,571
 <151> 2002-09-13

<150> US 60/419,906
 <151> 2002-10-18

<150> US 60/421,445
 <151> 2002-10-25

<160> 70
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<210> 1
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7519269CD1

<400> 1
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 1 5 10 15
 Ser Gly Leu Glu Glu Leu His Ala Ser His Ile Pro Thr Ala Asn
 20 25 30
 Pro Gly His Cys Ile Thr Asp Pro Pro Ser Leu Gly Pro Gln Tyr
 35 40 45
 His Pro Arg Ser Asn Ser Glu Ser Ser Thr Ser Ser Gly Glu Asp
 50 55 60
 Tyr Cys Asn Ser Pro Lys Ser Lys Leu Pro Pro Trp Asn Pro Gln
 65 70 75
 Val Phe Ser Ser Glu Arg Ser Ser Phe Leu Glu Gln Pro Pro Asn
 80 85 90
 Leu Glu Leu Ala Gly Thr Gln Pro Ala Phe Ser Gly Ser Pro Ser
 95 100 105
 Pro Gln Pro Asp Ser Thr Asp Asn Asp Asp Tyr Asp Asp Ile Ser

110	115	120
Ala Ala		

<210> 2
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<220>
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<400> 2

Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Pro	10	15
1 5		
Ser Glu Ser Ser Val Thr Val Lys Ile Glu Asn Lys Glu Ser Arg	25	30
20		
Glu Leu Met Leu Leu Ile Pro Ser Ile Val Leu Gly Ile Leu Leu	40	45
35		
Leu Gly Ser Leu Ile Phe Ile Ala Phe Ile Leu Leu Arg Ile Lys	55	60
50		
Gly Lys Tyr Val Phe Met Leu Pro Ile Gln Val Gln Ala Pro Pro	70	75
65		
Pro Glu Asp Ser Asp Ser Gly Ser Asp Ser Asp Tyr Glu His Tyr	85	90
80		
Asp Phe Ser Ala Gln Pro Pro Val Ala Leu Thr Thr Phe Tyr Asn	100	105
95		
Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln Ser Arg	115	120
110		
Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu His Ala	130	135
125		
Ser His Ile Pro Thr Ala Asn Pro Gly His Cys Ile Thr Asp Pro	145	150
140		
Pro Ser Leu Gly Pro Gln Tyr His Pro Arg Ser Asn Ser Glu Ser	160	165
155		
Ser Thr Ser Ser Gly Glu Asp Tyr Cys Asn Ser Pro Lys Ser Lys	175	180
170		
Leu Pro Pro Trp Asn Pro Gln Val Phe Ser Ser Glu Arg Ser Ser	190	195
185		
Phe Leu Glu Gln Pro Pro Asn Leu Glu Leu Ala Gly Thr Gln Pro	205	210
200		
Ala Phe Ser Gly Ser Pro Ser Pro Gln Pro Asp Ser Thr Asp Asn	220	225
215		
Asp Asp Tyr Asp Asp Ile Ser Ala Ala	230	

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<400> 3

Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Leu	10	15
1 5		
Ser Asp Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln	25	30
20		
Ser Arg Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu	40	45
35		

His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn	Pro	Gly	His	Cys	Ile	Thr
50					55						60			
Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr	His	Pro	Arg	Ser	Asn	Ser
65						70						75		
Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp	Tyr	Cys	Asn	Ser	Pro	Lys
80							85					90		
Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln	Val	Phe	Ser	Ser	Glu	Arg
95							100					105		
Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn	Leu	Glu	Leu	Ala	Gly	Thr
110								115					120	
Gln	Pro	Ala	Phe	Ser	Gly	Pro	Pro	Ala	Asp	Asp	Ser	Ser	Ser	Thr
125								130					135	
Ser	Ser	Gly	Glu	Trp	Tyr	Gln	Asn	Phe	Gln	Pro	Pro	Pro	Gln	Pro
140								145					150	
Pro	Ser	Glu	Glu	Gln	Phe	Gly	Cys	Pro	Gly	Ser	Pro	Ser	Pro	Gln
155								160					165	
Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser	Ala	Ala
170								175					180	

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<220>
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<400> 4
Met Arg Ala Pro Gly Arg Pro Ala Leu Arg Pro Leu Pro Leu Pro
1 5 10 15
Pro Leu Leu Leu Leu Leu Ala Ala Pro Trp Gly Arg Ala Val
20 25 30
Pro Cys Val Ser Gly Gly Leu Pro Lys Pro Ala Asn Ile Thr Phe
35 40 45
Leu Ser Ile Asn Met Lys Asn Val Leu Gln Trp Thr Pro Pro Glu
50 55 60
Gly Leu Gln Gly Val Lys Val Thr Tyr Thr Val Gln Tyr Phe Ile
65 70 75
Gly Pro Ser Val

<210> 5
<211> 150
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7519541CD1

<400> 5
Met Asn Leu Ala Ile Ser Ile Ala Leu Leu Leu Thr Val Leu Gln
1 5 10 15
Val Ser Arg Gly Gln Lys Val Thr Ser Leu Thr Ala Cys Leu Val
20 25 30
Asp Gln Ser Leu Arg Leu Asp Cys Arg His Glu Asn Thr Ser Ser
35 40 45
Ser Pro Ile Gln Tyr Glu Phe Ser Leu Thr Arg Glu Thr Lys Lys
50 55 60
His Val Leu Phe Gly Thr Val Gly Val Pro Glu His Thr Tyr Arg
65 70 75

Ser	Arg	Thr	Asn	Phe	Thr	Ser	Lys	Tyr	Asn	Met	Lys	Val	Leu	Tyr
80									85					90
Leu	Ser	Ala	Phe	Thr	Ser	Lys	Asp	Glu	Gly	Thr	Tyr	Thr	Cys	Ala
95									100					105
Leu	His	His	Ser	Gly	His	Ser	Pro	Pro	Ile	Ser	Ser	Gln	Asn	Val
									115					120
110														
Thr	Val	Leu	Arg	Gly	His	Gly	Phe	His	Val	Pro	Val	Thr	Gly	Gly
									130					135
125														
Ala	His	Gly	Gly	Asp	Arg	Lys	Pro	Gln	Val	Pro	Val	Gln	Arg	Ser
									145					150
140														

<210> 6
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7520794CD1

<400> 6															
Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser	
1										10				15	
Val	Gly	Gly	Glu	Ala	Met	Phe	Cys	Asp	Phe	Pro	Lys	Ile	Asn	His	
									25					30	
Gly	Ile	Leu	Tyr	Asp	Glu	Glu	Lys	Tyr	Lys	Pro	Phe	Ser	Gln	Val	
									40					45	
35															
Pro	Thr	Gly	Glu	Val	Phe	Tyr	Tyr	Ser	Cys	Glu	Tyr	Asn	Phe	Val	
									55					60	
50															
Ser	Pro	Ser	Lys	Ser	Phe	Trp	Thr	Arg	Ile	Thr	Cys	Ala	Glu	Glu	
									65					75	
65										70					
Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu	Ile	Ser	Ala	Glu	Lys	Cys	
									80					90	
80										85					
Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp	Ile	Thr	Ser	Phe	Leu	
					95					95					
95										100				105	
Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val	Glu	Tyr	Gln	Cys	Gln	
									110					120	
110										115					
Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln	Ile	Thr	Cys	Arg	Asn	
									125					135	
125										130					
Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu	Asp	Pro	Cys	Val	Ile	
									140					150	
140										145					
Ser	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile	Lys	Leu	Lys	Trp	Thr	
									155					165	
155										160					
Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly	Asp	Ile	Val	Glu	Phe	
									170					180	
170										175					
Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys	Ser	His	Ser	Phe	Arg	
									185					195	
185										190					
Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr	Pro	Ser	Cys	Glu	Glu	
									200					210	
200										205					
Lys															

<210> 7
<211> 93
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7520826CD1

<400> 7

Met Ser Arg Gly Leu Gln Leu Leu Leu Leu Ser Cys Ala Tyr Ser
 1 5 10 15
 Leu Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp
 20 25 30
 Val Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr
 35 40 45
 Thr Val Ser Trp Val Lys Lys Phe Ala Arg Leu Gln Ser Ile Phe
 50 55 60
 Pro Asp Phe Ser Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val
 65 70 75
 Thr Ser Pro Asn Lys His Leu Gly Leu Val Thr Pro His Lys Thr
 80 85 90
 Glu Leu Val

<210> 8
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520871CD1

<400> 8

Met Tyr His Gly Met Asn Pro Ser Asn Gly Asp Gly Phe Leu Glu
 1 5 10 15
 Gln Gln Gln Gln Gln Gln Pro Gln Ser Pro Gln Arg Leu Leu
 20 25 30
 Ala Val Ile Leu Trp Phe Gln Leu Ala Leu Cys Phe Gly Pro Ala
 35 40 45
 Gln Leu Thr Gly Asp Cys Arg Ile Pro Gln Ile Glu Asp Ala Glu
 50 55 60
 Ile His Asn Lys Thr Tyr Arg His Gly Glu Lys Leu Ile Ile Thr
 65 70 75
 Cys His Glu Gly Phe Lys Ile Arg Tyr Pro Asp Pro His Asn Met
 80 85 90
 Val Ser Leu Cys Arg Asp Asp Gly Thr Trp Asn Asn Leu Pro Ile
 95 100 105
 Cys Gln Gly Cys Leu Arg Pro Leu Ala Ser Ser Asn Gly Tyr Val
 110 115 120
 Asn Ile Ser Glu Leu Gln Thr Ser Phe Pro Val Gly Thr Val Ile
 125 130 135
 Ser Tyr Arg Cys Phe Pro Gly Phe Lys Leu Asp Gly Ser Ala Tyr
 140 145 150
 Leu Glu Cys Leu Gln Asn Leu Ile Trp Ser Ser Pro Pro Arg
 155 160 165
 Cys Leu Ala Leu Glu Gly Gly Arg Pro Glu His Leu Phe Pro Val
 170 175 180
 Leu Tyr Phe Pro His Ile Arg Leu Ala Ala Ala Val Leu Tyr Phe
 185 190 195
 Cys Pro Val Leu Lys Ser Ser Pro Thr Pro Ala Pro Thr Cys Ser
 200 205 210
 Ser Thr Ser Thr Thr Ser Leu Phe
 215

<210> 9
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
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<223> Incyte ID No: 7520952CD1

<400> 9

Met Asp Pro Lys Gln Thr Thr Leu Leu Cys Leu Val Leu Cys Leu
 1 5 10 15
 Gly Gln Arg Ile Gln Ala Gln Glu Gly Asp Phe Pro Met Pro Phe
 20 25 30
 Ile Ser Ala Lys Ser Ser Pro Val Ile Pro Leu Asp Gly Ser Val
 35 40 45
 Lys Ile Gln Cys Gln Ala Ile Arg Glu Ala Tyr Leu Thr Gln Leu
 50 55 60
 Met Ile Ile Lys Asn Ser Thr Tyr Arg Glu Ile Gly Arg Arg Leu
 65 70 75
 Lys Phe Trp Asn Glu Thr Asp Pro Glu Phe Val Ile Asp His Met
 80 85 90
 Asp Ala Asn Lys Ala Gly Arg Tyr Gln Cys Gln Tyr Arg Ile Gly
 95 100 105
 His Tyr Arg Phe Arg Tyr Ser Asp Thr Leu Glu Leu Val Val Thr
 110 115 120
 Gly Leu Tyr Gly Lys Pro Phe Leu Ser Ala Asp Arg Gly Leu Val
 125 130 135
 Leu Met Pro Gly Glu Asn Ile Ser Leu Thr Cys Ser Ser Ala His
 140 145 150
 Ile Pro Phe Asp Arg Phe Ser Leu Ala Lys Glu Gly Glu Leu Ser
 155 160 165
 Leu Pro Gln His Gln Ser Gly Glu His Pro Ala Asn Phe Ser Leu
 170 175 180
 Gly Pro Val Asp Leu Asn Val Ser Gly Ile Tyr Arg Leu His Pro
 185 190 195
 Pro Arg Leu His Asp Ala Glu Leu Asp Pro His Gly Arg Gly Arg
 200 205 210
 Thr Gly Pro Arg Gly Ser Leu Gly His Thr Gly
 215 220

<210> 10

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521013CD1

<400> 10

Met Ala Arg Gly Ala Ala Leu Ala Leu Leu Phe Gly Leu Leu
 1 5 10 15
 Gly Val Leu Val Ala Ala Pro Asp Gly Gly Phe Asp Leu Ser Asp
 20 25 30
 Ala Leu Pro Asp Asn Glu Asn Lys Lys Pro Thr Ala Ile Pro Lys
 35 40 45
 Lys Pro Ser Ala Gly Asp Asp Phe Asp Leu Gly Asp Ala Val Val
 50 55 60
 Asp Gly Glu Asn Asp Asp Pro Arg Pro Pro Asn Pro Pro Lys Pro
 65 70 75
 Met Pro Asn Pro Asn Pro Asn His Pro Ser Ser Ser Gly Ser Phe
 80 85 90
 Ser Asp Ala Asp Leu Ala Asp Gly Val Ser Gly Gly Glu Gly Lys
 95 100 105
 Gly Gly Ser Asp Gly Gly Ser His Arg Lys Glu Gly Glu Glu
 110 115 120
 Ala Glu Gln Gly Glu Val Asp Met Glu Ser His Arg Asn Ala Asn
 125 130 135
 Ala Glu Pro Ala Val Gln Arg Thr Leu Leu Glu Lys

140

145

<210> 11
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520129CD1

<400> 11

Met	Leu	Arg	Leu	Leu	Leu	Ala	Leu	Asn	Leu	Ser	Pro	Ser	Ile	Gln
1	5						10						15	
Val	Thr	Gly	Asn	Lys	Ile	Leu	Val	Lys	Gln	Ser	Pro	Met	Leu	Val
	20						25						30	
Ala	Tyr	Asp	Asn	Ala	Val	Asn	Leu	Ser	Cys	Lys	Tyr	Ser	Tyr	Asn
	35						40						45	
Leu	Phe	Ser	Arg	Glu	Phe	Arg	Ala	Ser	Leu	His	Lys	Gly	Leu	Asp
	50						55						60	
Ser	Ala	Val	Glu	Val	Cys	Val	Val	Tyr	Gly	Asn	Tyr	Ser	Gln	Gln
	65						70						75	
Leu	Gln	Val	Arg	Ser	Lys	Arg	Ser	Arg	Leu	Leu	His	Ser	Asp	Tyr
	80						85						90	
Met	Asn	Met	Thr	Pro	Arg	Arg	Pro	Gly	Pro	Thr	Arg	Lys	His	Tyr
	95						100						105	
Gln	Pro	His	Ala	Pro	Pro	Arg	Asp	Phe	Ala	Ala	Tyr	Arg	Ser	
	110						115							

<210> 12
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520219CD1

<400> 12

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1	5						10						15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
	20						25						30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
	35						40						45	
Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu	His	Val	Ala
	50						55						60	
Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg	Lys	Leu	Asp
	65						70						75	
Gly	Ile	Cys	Trp	Gln	Val	Arg	Gln	Leu	Tyr	Gly	Asp	Thr	Gly	Val
	80						85						90	
Leu	Gly	Arg	Phe	Leu	Leu	Gln	Ala	Arg	Asp	Ala	Arg	Gly	Ala	Val
	95						100						105	
His	Val	Val	Val	Ala	Glu	Thr	Asp	Tyr	Gln	Ser	Phe	Ala	Val	Leu
	110						115						120	
Tyr	Leu	Glu	Arg	Ala	Gly	Gln	Leu	Ser	Val	Lys	Leu	Tyr	Ala	Arg
	125						130						135	
Ser	Leu	Pro	Val	Ser	Asp	Ser	Val	Leu	Ser	Gly	Phe	Glu	Gln	Arg
	140						145						150	
Val	Gln	Glu	Ala	His	Leu	Thr	Glu	Asp	Gln	Ile	Phe	Tyr	Phe	Pro
	155						160						165	
Lys	Tyr	Gly	Phe	Cys	Glu	Ala	Ala	Asp	Gln	Phe	His	Val	Leu	Asp
	170						175						180	

Glu Val Arg Arg

<210> 13
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520229CD1

<400> 13

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1	5						10						15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
	20						25						30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
	35						40						45	
Gln	Phe	Ala	Gly	Thr	Trp	Leu	Leu	Val	Ala	Val	Gly	Ser	Ala	Cys
	50						55						60	
Arg	Phe	Leu	Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu
	65						70						75	
His	Val	Ala	Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg
	80						85						90	
Lys	Leu	Pro	Arg	Arg	Pro	Arg	Gly	Cys	Ala	Arg	Gly	Cys	Arg	
	95													100

<210> 14
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520239CD1

<400> 14

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1	5						10						15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
	20						25						30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
	35						40						45	
Gln	Phe	Ala	Gly	Thr	Trp	Leu	Leu	Val	Ala	Val	Gly	Ser	Ala	Cys
	50						55						60	
Arg	Phe	Leu	Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu
	65						70						75	
His	Val	Ala	Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg
	80						85						90	
Lys	Leu	Asp	Gly	Ile	Cys	Trp	Gln	Ala	Arg	Gln	Leu	Tyr	Gly	Asp
	95						100						105	
Thr	Gly	Val	Leu	Gly	Arg	Phe	Leu	Leu	Gln	Ala	Arg	Asp	Ala	Arg
	110						115						120	
Gly	Ala	Val	His	Val	Val	Val	Ala	Glu	Thr	Asp	Tyr	Gln	Ser	Phe
	125						130						135	
Ala	Val	Leu	Tyr	Leu	Glu	Arg	Ala	Gly	Gln	Leu	Ser	Val	Lys	Leu
	140						145						150	
Tyr	Glu	Pro	Ser	Thr	Pro	Pro	Gly	Ala	Arg	Thr	Pro	Gly	Thr	Leu
	155						160						165	
Ser	Ala	Leu	Gln	Pro	Ala	Arg	Ser	Leu						
	170													

<210> 15
 <211> 346
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518556CD1

<400> 15
 Met Leu Phe Leu Gln Phe Leu Leu Leu Ala Leu Leu Leu Pro Gly
 1 5 10 15
 Gly Asp Asn Ala Asp Ala Ser Gln Glu His Val Ser Phe His Val
 20 25 30
 Ile Gln Ile Phe Ser Phe Val Asn Gln Ser Trp Ala Arg Gly Gln
 35 40 45
 Gly Ser Gly Trp Leu Asp Glu Leu Gln Thr His Gly Trp Asp Ser
 50 55 60
 Glu Ser Gly Thr Ile Ile Phe Leu His Asn Trp Ser Lys Gly Asn
 65 70 75
 Phe Ser Asn Glu Glu Leu Ser Asp Leu Glu Leu Leu Phe Arg Phe
 80 85 90
 Tyr Leu Phe Gly Leu Thr Arg Glu Ile Gln Asp His Ala Ser Gln
 95 100 105
 Asp Tyr Ser Lys Tyr Pro Phe Glu Val Gln Val Lys Ala Gly Cys
 110 115 120
 Glu Leu His Ser Gly Lys Ser Pro Glu Gly Phe Phe Gln Val Ala
 125 130 135
 Phe Asn Gly Leu Asp Leu Leu Ser Phe Gln Asn Thr Thr Trp Val
 140 145 150
 Pro Ser Pro Gly Cys Gly Ser Leu Ala Gln Ser Val Cys His Leu
 155 160 165
 Leu Asn His Gln Tyr Glu Gly Val Thr Glu Thr Val Tyr Asn Leu
 170 175 180
 Ile Arg Ser Thr Cys Pro Arg Phe Leu Leu Gly Leu Leu Asp Ala
 185 190 195
 Gly Lys Met Tyr Val His Arg Gln Val Arg Pro Glu Ala Trp Leu
 200 205 210
 Ser Ser Arg Pro Ser Leu Gly Ser Gly Gln Leu Leu Leu Val Cys
 215 220 225
 His Ala Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Thr Trp Met
 230 235 240
 Arg Asn Glu Gln Glu Gln Leu Gly Thr Lys His Gly Asp Ile Leu
 245 250 255
 Pro Asn Ala Asp Gly Thr Trp Tyr Leu Gln Val Ile Leu Glu Val
 260 265 270
 Ala Ser Glu Glu Pro Ala Gly Leu Ser Cys Arg Val Arg His Ser
 275 280 285
 Ser Leu Gly Gly Gln Asp Ile Ile Leu Tyr Trp Ala His Ile Arg
 290 295 300
 Thr Ser Cys Glu Thr Leu Pro Pro Asp Ser Pro Ile Val Leu Arg
 305 310 315
 Thr Gln Gln Pro Arg Ser Leu Val Gln Tyr Ser Asp Ala Ile Pro
 320 325 330
 Ser Thr Leu His Leu Asn Cys Phe Ser Phe Cys Ile Ile Asn Ile
 335 340 345
 Cys

<210> 16
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520026CD1

<400> 16
 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Ala
 1 5 10 15
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala
 20 25 30
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln
 35 40 45
 Gln Val Glu Val Gly Gly Arg Gly Arg Gln Val Glu Val Val
 50 55 60
 Gly Gly Val Glu Gly Asp Arg
 65

<210> 17
 <211> 163
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514650CD1

<400> 17
 Met Asn Ser Phe Ser Thr Ser Ala Phe Gly Pro Val Ala Phe Ser
 1 5 10 15
 Leu Gly Leu Leu Leu Val Leu Pro Ala Ala Phe Pro Ala Pro Val
 20 25 30
 Pro Pro Gly Glu Asp Ser Lys Asp Val Ala Ala Pro His Arg Gln
 35 40 45
 Pro Leu Thr Ser Ser Glu Arg Ile Asp Lys Gln Ile Arg Tyr Ile
 50 55 60
 Leu Asp Gly Ile Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys Ser
 65 70 75
 Asn Met Cys Glu Ser Ser Lys Glu Ala Leu Ala Glu Asn Asn Pro
 80 85 90
 Asn Leu Pro Lys Met Ala Glu Lys Asp Gly Cys Phe Gln Ser Gly
 95 100 105
 Phe Asn Glu Ala Lys Asn Leu Asp Ala Ile Thr Thr Pro Asp Pro
 110 115 120
 Thr Thr Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala Gln Asn Gln
 125 130 135
 Trp Leu Gln Asp Met Thr Thr His Leu Ile Leu Arg Ser Phe Lys
 140 145 150
 Glu Phe Leu Gln Ser Ser Leu Arg Ala Leu Arg Gln Met
 155 160

<210> 18
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518754CD1

<400> 18
 Met Lys Ala Leu Met Leu Leu Thr Leu Ser Val Leu Leu Cys Trp
 1 5 10 15
 Val Ser Ala Asp Ile Arg Cys His Ser Cys Tyr Lys Val Pro Val
 20 25 30

Leu Gly Cys Val Asp Arg Gln Ser Cys Arg Leu Glu Pro Gly Gln
 35 40 45
 Gln Cys Leu Thr Thr His Ala Tyr Leu Glu Glu Pro Cys Gln Glu
 50 55 60
 Ala Phe Asn Gln Thr Asn Arg Lys Leu Gly Leu Thr Tyr Asn Thr
 65 70 75
 Thr Cys Cys Asn Lys Asp Asn Cys Asn Ser Ala Gly Pro Arg Pro
 80 85 90
 Thr Pro Ala Leu Gly Leu Val Phe Leu Thr Ser Leu Ala Gly Leu
 95 100 105
 Gly Leu Trp Leu Leu His
 110

<210> 19
 <211> 264
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518846CD1

<400> 19

Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser
 1 5 10 15
 Leu Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe
 20 25 30
 Glu Thr Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser
 35 40 45
 Cys His Thr Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe
 50 55 60
 Gln Val Lys Ala Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val
 65 70 75
 Ser Tyr Asp Trp Leu Ile Leu Gln Gly Pro Ala Lys Pro Val Phe
 80 85 90
 Glu Gly Asp Leu Leu Val Leu Arg Cys Gln Ala Trp Gln Asp Trp
 95 100 105
 Pro Leu Thr Gln Val Thr Phe Tyr Arg Asp Gly Ser Ala Leu Gly
 110 115 120
 Pro Pro Gly Pro Asn Arg Glu Phe Ser Ile Thr Val Val Gln Lys
 125 130 135
 Ala Asp Ser Gly His Tyr His Cys Ser Gly Ile Phe Gln Ser Pro
 140 145 150
 Gly Pro Gly Ile Pro Glu Thr Ala Ser Val Val Ala Ile Thr Val
 155 160 165
 Gln Gly Ala Ser Ser Ser Ala Ala Pro Pro Thr Leu Asn Pro Ala
 170 175 180
 Pro Gln Lys Ser Ala Ala Pro Gly Thr Ala Pro Glu Glu Ala Pro
 185 190 195
 Gly Pro Leu Pro Pro Pro Pro Thr Pro Ser Ser Glu Asp Pro Gly
 200 205 210
 Phe Ser Ser Pro Leu Gly Met Pro Asp Pro His Leu Tyr His Gln
 215 220 225
 Met Gly Leu Leu Leu Lys His Met Gln Asp Val Arg Val Leu Leu
 230 235 240
 Gly His Leu Leu Met Glu Leu Arg Glu Leu Ser Gly His Arg Lys
 245 250 255
 Pro Gly Thr Thr Lys Ala Thr Ala Glu
 260

<210> 20
 <211> 81
 <212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519298CD1

<400> 20

Met	Lys	Ala	Ser	Ser	Leu	Ala	Phe	Ser	Leu	Leu	Ser	Ala	Ala	Phe
1				5				10						15
Tyr	Leu	Leu	Trp	Thr	Pro	Ser	Thr	Gly	Leu	Lys	Thr	Leu	Asn	Leu
				20				25						30
Gly	Ser	Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly
				35				40						45
Phe	Ser	Glu	Ile	Arg	Gly	Ser	Val	Val	Arg	Lys	Arg	Val	Ser	Thr
				50				55						60
Ser	Pro	Glu	Ser	Leu	Phe	Ser	Ser	Phe	Leu	Val	Arg	Phe	Ser	Phe
				65				70						75
Leu	Ala	Val	Leu	Ala	Val									
				80										

<210> 21

<211> 282

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521374CD1

<400> 21

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5				10						15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
				20				25						30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
				35				40						45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
				50				55						60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
				65				70						75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
				80				85						90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
				95				100						105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
				110				115						120
Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Ser	Trp	Pro	Ser	Pro	Thr	Glu
				125				130						135
Pro	Ser	Phe	Lys	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile
				140				145						150
Arg	Tyr	Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe
				155				160						165
Leu	Leu	His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met
				170				175						180
Asn	Gln	Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser
				185				190						195
Asp	Glu	Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His
				200				205						210
Cys	Ile	Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser
				215				220						225
Lys	Arg	Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn
				230				235						240
Ala	Glu	Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln

	245	250	255											
Ala	Leu	Met	Gly	Ser	Ser	Arg	Glu	Thr	Thr	Ala	Leu	Ser	Gln	Thr
				260			265							270
Gln	Leu	Ala	Ser	Ser	Asn	Val	Pro	Ala	Ala	Gly	Ile			
				275			280							

<210> 22
 <211> 265
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521399CD1

<400> 22

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5					10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Gly	Gln	Asp	Lys
					20				25					30
Pro	Phe	Cys	Ser	Ala	Trp	Pro	Ser	Ala	Val	Val	Pro	Gln	Gly	
					35				40					45
His	Val	Thr	Leu	Arg	Cys	His	Tyr	Arg	Arg	Gly	Phe	Asn	Ile	Phe
					50				55					60
Thr	Leu	Tyr	Lys	Lys	Asp	Gly	Val	Pro	Val	Pro	Glu	Leu	Tyr	Asn
					65				70					75
Arg	Ile	Phe	Trp	Asn	Ser	Phe	Leu	Ile	Ser	Pro	Val	Thr	Pro	Ala
					80				85					90
His	Ala	Gly	Thr	Tyr	Arg	Cys	Arg	Gly	Phe	His	Pro	His	Ser	Pro
					95				100					105
Thr	Glu	Trp	Ser	Ala	Pro	Ser	Asn	Pro	Leu	Val	Ile	Met	Val	Thr
					110				115					120
Gly	Leu	Tyr	Glu	Lys	Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr
					125				130					135
Val	Arg	Ala	Gly	Glu	Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser
					140				145					150
Ser	Phe	Asp	Ile	Tyr	His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu
					155				160					165
Leu	Arg	Leu	Pro	Ala	Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala
					170				175					180
Asp	Phe	Pro	Leu	Gly	Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys
					185				190					195
Phe	Gly	Ser	Phe	His	Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser
					200				205					210
Asp	Pro	Leu	Pro	Val	Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Ser	Trp
					215				220					225
Pro	Ser	Pro	Thr	Glu	Pro	Ser	Phe	Lys	Thr	Gly	Ile	Ala	Arg	His
					230				235					240
Leu	His	Ala	Val	Ile	Arg	Cys	Cys	Cys	Asn	Glu	Pro	Arg	Ala	Cys
					245				250					255
Gly	Thr	Gln	Asn	Ser	Glu	Gln	Gly	Gly	Leu					
					260				265					

<210> 23
 <211> 565
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520356CD1

<400> 23

Met Val Ala Pro Lys Ser His Thr Asp Asp Trp Ala Pro Gly Pro
 1 5 10 15
 Phe Ser Ser Lys Pro Gln Arg Ser Gln Leu Gln Ile Phe Ser Ser
 20 25 30
 Val Leu Gln Thr Ser Leu Leu Phe Leu Leu Met Gly Leu Arg Ala
 35 40 45
 Ser Gly Lys Asp Ser Ala Pro Thr Val Val Ser Gly Ile Leu Gly
 50 55 60
 Gly Ser Val Thr Leu Pro Leu Asn Ile Ser Val Asp Thr Glu Ile
 65 70 75
 Glu Asn Val Ile Trp Ile Gly Pro Lys Asn Ala Leu Ala Phe Ala
 80 85 90
 Arg Pro Lys Glu Asn Val Thr Ile Met Val Lys Ser Tyr Leu Gly
 95 100 105
 Arg Leu Asp Ile Thr Lys Trp Ser Tyr Ser Leu Cys Ile Ser Asn
 110 115 120
 Leu Thr Leu Asn Asp Ala Gly Ser Tyr Lys Ala Gln Ile Asn Gln
 125 130 135
 Arg Asn Phe Glu Val Thr Thr Glu Glu Glu Phe Thr Leu Phe Val
 140 145 150
 Tyr Glu Gln Leu Gln Glu Pro Gln Val Thr Met Lys Ser Val Lys
 155 160 165
 Val Ser Glu Asn Phe Ser Cys Asn Ile Thr Leu Met Cys Ser Val
 170 175 180
 Lys Gly Ala Glu Lys Ser Val Leu Tyr Ser Trp Thr Pro Arg Glu
 185 190 195
 Pro His Ala Ser Glu Ser Asn Gly Gly Ser Ile Leu Thr Val Ser
 200 205 210
 Arg Thr Pro Cys Asp Pro Asp Leu Pro Tyr Ile Cys Thr Ala Gln
 215 220 225
 Asn Pro Val Ser Gln Arg Ser Ser Leu Pro Val His Val Gly Gln
 230 235 240
 Phe Cys Thr Asp Pro Gly Ala Ser Arg Gly Gly Thr Thr Gly Glu
 245 250 255
 Thr Val Val Gly Val Leu Gly Glu Pro Val Thr Leu Pro Leu Ala
 260 265 270
 Leu Pro Ala Cys Arg Asp Thr Glu Lys Val Val Trp Leu Phe Asn
 275 280 285
 Thr Ser Ile Ile Ser Lys Glu Arg Glu Glu Ala Ala Thr Ala Asp
 290 295 300
 Pro Leu Ile Lys Ser Arg Asp Pro Tyr Lys Asn Arg Val Trp Val
 305 310 315
 Ser Ser Gln Asp Cys Ser Leu Lys Ile Ser Gln Leu Lys Ile Glu
 320 325 330
 Asp Ala Gly Pro Tyr His Ala Tyr Val Cys Ser Glu Ala Ser Ser
 335 340 345
 Val Thr Ser Met Thr His Val Thr Leu Leu Ile Tyr Arg Pro Glu
 350 355 360
 Arg Asn Thr Lys Leu Trp Ile Gly Leu Phe Leu Met Val Cys Leu
 365 370 375
 Leu Cys Val Gly Ile Phe Ser Trp Cys Ile Trp Lys Arg Lys Gly
 380 385 390
 Arg Cys Ser Val Pro Ala Phe Cys Ser Ser Gln Ala Glu Ala Pro
 395 400 405
 Ala Asp Thr Pro Glu Pro Thr Ala Gly His Thr Leu Tyr Ser Val
 410 415 420
 Leu Ser Gln Gly Tyr Glu Lys Leu Asp Thr Pro Leu Arg Pro Ala
 425 430 435
 Arg Gln Gln Pro Thr Pro Thr Ser Asp Ser Ser Ser Asp Ser Asn
 440 445 450
 Leu Thr Thr Glu Glu Asp Glu Asp Arg Pro Glu Val His Lys Pro
 455 460 465
 Ile Ser Gly Arg Tyr Glu Val Phe Asp Gln Val Thr Gln Glu Gly

470	475	480	
Ala Gly His Asp	Pro Ala Pro Glu Gly	Gln Ala Asp Tyr Asp	Pro
485	490	495	
Val Thr Pro Tyr	Val Thr Glu Ala Glu	Ser Val Val Gly Glu	Asn
500	505	510	
Thr Met Tyr Ala	Gln Val Phe Asn Leu	Gln Gly Arg Thr Pro	Val
515	520	525	
Pro Gln Lys Glu	Glu Ser Ser Ala Thr	Ile Tyr Cys Ser Ile	Arg
530	535	540	
Lys Pro Gln Val	Val Pro Pro Pro Gln	Gln Asn Asp Leu Gly	Ile
545	550	555	
Pro Glu Ser Pro	Thr Tyr Glu Asn Phe	Thr	
560	565		

<210> 24
<211> 205
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7520783CD1

<400> 24

Met Trp Leu Leu Val	Ser Val Ile Leu	Ile Ser Arg Ile Ser Ser
1	5	10 15
Val Gly Gly Glu Gly	Leu Cys Phe Phe	Pro Phe Val Glu Asn Gly
	20	25 30
His Ser Glu Ser Ser	Gly Gln Thr His	Leu Glu Gly Asp Thr Val
	35	40 45
Gln Ile Ile Cys Asn	Thr Gly Tyr Arg	Leu Gln Asn Asn Glu Asn
	50	55 60
Asn Ile Ser Cys Val	Glu Arg Gly Trp	Ser Thr Pro Pro Lys Cys
	65	70 75
Arg Ser Thr Ile Ser	Ala Glu Lys Cys	Gly Pro Pro Pro Ile
	80	85 90
Asp Asn Gly Asp	Ile Thr Ser Phe Leu	Leu Ser Val Tyr Ala Pro
	95	100 105
Gly Ser Ser Val	Glu Tyr Gln Cys Gln	Asn Leu Tyr Gln Leu Glu
	110	115 120
Gly Asn Asn Gln	Ile Thr Cys Arg Asn	Gly Gln Trp Ser Glu Pro
	125	130 135
Pro Lys Cys Leu	Asp Pro Cys Val Ile	Ser Gln Glu Ile Met Glu
	140	145 150
Lys Tyr Asn Ile	Lys Leu Lys Trp Thr	Asn Gln Gln Lys Leu Tyr
	155	160 165
Ser Arg Thr Gly	Asp Ile Val Glu Phe	Val Cys Lys Ser Gly Tyr
	170	175 180
His Pro Thr Lys	Ser His Ser Phe Arg	Ala Met Cys Gln Asn Gly
	185	190 195
Lys Leu Val Tyr	Pro Ser Cys Glu Glu	Lys
	200	205

<210> 25
<211> 325
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7520788CD1

<400> 25

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1									10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Gly	Gln	Asp	Lys
									25					30
Pro	Phe	Cys	Ser	Ala	Trp	Pro	Ser	Ala	Val	Val	Pro	Gln	Gly	Gly
									40					45
His	Val	Thr	Leu	Arg	Cys	His	Tyr	Arg	Arg	Gly	Phe	Asn	Ile	Phe
									55					60
Thr	Leu	Tyr	Lys	Lys	Asp	Gly	Val	Pro	Val	Pro	Glu	Leu	Tyr	Asn
									70					75
Arg	Ile	Phe	Trp	Asn	Ser	Phe	Leu	Ile	Ser	Pro	Val	Thr	Pro	Ala
									85					90
His	Ala	Gly	Thr	Tyr	Arg	Cys	Arg	Gly	Phe	His	Pro	His	Ser	Pro
									100					105
Thr	Glu	Trp	Ser	Ala	Pro	Ser	Asn	Pro	Leu	Val	Ile	Met	Val	Thr
									115					120
Gly	Leu	Tyr	Glu	Lys	Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr
									130					135
Val	Arg	Ala	Gly	Glu	Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser
									145					150
Ser	Phe	Asp	Ile	Tyr	His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu
									160					165
Leu	Arg	Leu	Pro	Ala	Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala
									175					180
Asp	Phe	Pro	Leu	Gly	Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys
									190					195
Phe	Gly	Ser	Phe	His	Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser
									205					210
Asp	Pro	Leu	Pro	Val	Ser	Val	Thr	Asp	Ala	Ala	Val	Met	Asn	Gln
									215					225
Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser	Asp	Glu
									230					240
Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His	Cys	Ile
									245					255
Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser	Lys	Arg
									260					270
Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn	Ala	Glu
									275					285
Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln	Ala	Leu
									290					300
Met	Gly	Ser	Ser	Arg	Glu	Thr	Thr	Ala	Leu	Ser	Gln	Thr	Gln	Leu
									305					315
Ala	Ser	Ser	Asn	Val	Pro	Ala	Ala	Gly	Ile					
									320					325

<210> 26
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7520790CD1

Met	Thr	Ser	Glu	Ile	Thr	Tyr	Ala	Glu	Val	Arg	Phe	Lys	Asn	Glu
1									5		10			15
Phe	Lys	Ser	Ser	Gly	Ile	Asn	Thr	Ala	Ser	Ser	Ala	Glu	Thr	Ala
									20		25			30
Trp	Ser	Cys	Cys	Pro	Lys	Asn	Trp	Lys	Ser	Phe	Ser	Ser	Asn	Cys
									35		40			45
Tyr	Phe	Ile	Ser	Thr	Glu	Ser	Ala	Ser	Trp	Gln	Asp	Ser	Glu	Lys
									50		55			60

Asp	Cys	Ala	Arg	Met	Glu	Ala	His	Leu	Leu	Val	Ile	Asn	Thr	Gln
				65						70				75
Glu	Glu	Gln	Asp	Phe	Ile	Phe	Gln	Asn	Leu	Gln	Glu	Glu	Ser	Ala
				80						85				90
Tyr	Phe	Val	Gly	Leu	Ser	Asp	Pro	Glu	Gly	Gln	Arg	His	Trp	Gln
				95					100					105
Trp	Val	Asp	Gln	Thr	Pro	Tyr	Asn	Glu	Ser	Ser	Thr	Phe	Trp	His
				110					115					120
Pro	Arg	Glu	Pro	Ser	Asp	Pro	Asn	Glu	Arg	Cys	Val	Val	Leu	Asn
				125					130					135
Phe	Arg	Lys	Ser	Pro	Lys	Arg	Trp	Gly	Trp	Asn	Asp	Val	Asn	Cys
				140					145					150
Leu	Gly	Pro	Gln	Arg	Ser	Val	Cys	Glu	Met	Met	Lys	Ile	His	Leu
				155					160					165

<210> 27
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521242CD1

<400> 27

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser
	1				5				10					15
Val	Gly	Gly	Glu	Glu	Glu	Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu
					20				25					30
Arg	Leu	Cys	Phe	Phe	Pro	Phe	Val	Glu	Asn	Gly	His	Ser	Glu	Ser
					35				40					45
Ser	Gly	Gln	Thr	His	Leu	Glu	Gly	Asp	Thr	Val	Gln	Ile	Ile	Cys
					50				55					60
Asn	Thr	Gly	Tyr	Arg	Leu	Gln	Asn	Asn	Glu	Asn	Asn	Ile	Ser	Cys
					65				70					75
Val	Glu	Arg	Gly	Trp	Ser	Thr	Pro	Pro	Lys	Cys	Arg	Ser	Thr	Ile
					80				85					90
Ser	Ala	Glu	Lys	Cys	Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp
					95				100					105
Ile	Thr	Ser	Phe	Leu	Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val
					110				115					120
Glu	Tyr	Gln	Cys	Gln	Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln
					125				130					135
Ile	Thr	Cys	Arg	Asn	Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu
					140				145					150
Asp	Pro	Cys	Val	Ile	Pro	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile
					155				160					165
Lys	Leu	Lys	Trp	Thr	Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly
					170				175					180
Asp	Ile	Val	Glu	Phe	Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys
					185				190					195
Ser	His	Ser	Phe	Arg	Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr
					200				205					210
Pro	Ser	Cys	Glu	Glu										
					215									

<210> 28
 <211> 228
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte ID No: 7522901CD1

<400> 28

Met	Gly	Arg	Pro	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Pro			
1	5						10				15			
Pro	Ala	Phe	Leu	Gln	Pro	Ser	Gly	Ser	Thr	Gly	Ser	Gly	Pro	Ser
					20				25				30	
Tyr	Leu	Tyr	Gly	Val	Thr	Gln	Pro	Lys	His	Leu	Ser	Ala	Ser	Met
					35				40				45	
Gly	Gly	Ser	Val	Glu	Ile	Pro	Phe	Ser	Phe	Tyr	Tyr	Pro	Trp	Glu
				50					55				60	
Leu	Ala	Thr	Ala	Pro	Asp	Val	Arg	Ile	Ser	Trp	Arg	Arg	Gly	His
				65					70				75	
Phe	His	Gly	Gln	Ser	Phe	Tyr	Ser	Thr	Arg	Pro	Pro	Ser	Ile	His
				80					85				90	
Lys	Asp	Tyr	Val	Asn	Arg	Leu	Phe	Leu	Asn	Trp	Thr	Glu	Gly	Gln
				95					100				105	
Lys	Ser	Gly	Phe	Leu	Arg	Ile	Ser	Asn	Leu	Gln	Lys	Gln	Asp	Gln
				110					115				120	
Ser	Val	Tyr	Phe	Cys	Arg	Val	Glu	Leu	Asp	Thr	Arg	Ser	Ser	Gly
				125					130				135	
Arg	Gln	Gln	Trp	Gln	Ser	Ile	Glu	Gly	Thr	Lys	Leu	Ser	Ile	Thr
				140					145				150	
Gln	Gly	Gln	Gln	Arg	Thr	Lys	Ala	Thr	Thr	Pro	Ala	Arg	Glu	Pro
				155					160				165	
Phe	Gln	Asn	Thr	Glu	Glu	Pro	Tyr	Glu	Asn	Ile	Arg	Asn	Glu	Gly
				170					175				180	
Glu	Ser	Leu	Pro	Pro	Ser	Phe	Pro	Ser	Phe	Tyr	Pro	Trp	His	Phe
				185					190				195	
Leu	Phe	Pro	Gln	Ile	Pro	Pro	Thr	Trp	Val	Arg	Ala	Pro	Val	Ser
				200					205				210	
Ile	Phe	Phe	Phe	Pro	Phe	Leu	Ala	Pro	Cys	Pro	His	Val	Thr	Leu
				215					220				225	

Ala Leu Thr

<210> 29
 <211> 144
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515599CD1

<400> 29

Met	Leu	Leu	Leu	Phe	Leu	Leu	Phe	Glu	Leu	Cys	Cys	Pro	Gly	
1	5							10				15		
Glu	Asn	Thr	Ala	Val	Lys	Pro	Glu	Ala	Trp	Leu	Ser	Cys	Gly	Pro
				20					25				30	
Ser	Pro	Gly	Pro	Gly	Arg	Leu	Gln	Leu	Val	Cys	His	Val	Ser	Gly
				35					40				45	
Phe	Tyr	Pro	Lys	Pro	Val	Trp	Val	Met	Trp	Met	Arg	Gly	Glu	Gln
				50					55				60	
Glu	Gln	Arg	Gly	Thr	Gln	Arg	Gly	Asp	Val	Leu	Pro	Asn	Ala	Asp
				65					70				75	
Glu	Thr	Trp	Tyr	Leu	Arg	Ala	Thr	Leu	Asp	Val	Ala	Ala	Gly	Glu
				80					85				90	
Ala	Ala	Gly	Leu	Ser	Cys	Arg	Val	Lys	His	Ser	Ser	Leu	Gly	Gly
				95					100				105	
His	Asp	Leu	Ile	Ile	His	Trp	Ala	Leu	Ser	Phe	Ser	Trp	Glu	Pro
				110					115				120	

Thr Leu Arg Thr Pro Arg Ile Gln Asp Ile Ser Ser Ala Trp His
 125 130 135
 Lys Tyr Arg Gly Ser Lys Thr Glu Tyr
 140

<210> 30
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520320CD1

<400> 30
 Met Pro Ala Ser Ser Pro Phe Leu Pro Ala Pro Lys Gly Pro Pro
 1 5 10 15
 Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala
 20 25 30
 Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala
 35 40 45
 Met Ala Leu Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg
 50 55 60
 Glu Ser Ser Asp Ala Leu Glu Ala Trp Glu Ser Gly Glu Arg Ser
 65 70 75
 Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys Lys Gln His
 80 85 90
 Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys Asp Asp
 95 100 105
 Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg Gly
 110 115 120
 Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
 125 130 135
 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr
 140 145 150
 Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln
 155 160 165
 Glu Thr Leu Phe Arg Cys Ile Arg Ser Thr Pro Ser His Pro Asp
 170 175 180
 Arg Ala Tyr Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His
 185 190 195
 Gln Gly Asp Ile Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys
 200 205 210
 Leu Asn Leu Ser Pro His Gly Thr Phe Leu Gly Phe Val Lys Leu
 215 220 225

<210> 31
 <211> 166
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520323CD1

<400> 31
 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu
 1 5 10 15
 Thr Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln
 20 25 30
 Tyr Leu Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln
 35 40 45

Lys Leu Val Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu
 50 55 60
 Pro Cys Gly Glu Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr
 65 70 75
 His Cys His Gln His Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg
 80 85 90
 Val Gln Gln Lys Gly Thr Ser Glu Thr Asp Thr Ile Cys Thr Cys
 95 100 105
 Glu Glu Gly Trp His Cys Thr Ser Glu Ala Cys Glu Ser Cys Val
 110 115 120
 Leu His Arg Ser Cys Ser Pro Gly Phe Gly Val Lys Gln Ile Ala
 125 130 135
 Val Arg Pro Lys Thr Trp Leu Cys Asn Arg Gln Ala Gln Thr Arg
 140 145 150
 Leu Met Leu Ser Val Val Ser Pro Gly Gln Trp Ala Leu Glu Lys
 155 160 165

Ala

<210> 32
 <211> 181
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520324CD1

<400> 32
 Met Ala Gly Pro Pro Arg Leu Leu Leu Pro Leu Leu Leu Ala
 1 5 10 15
 Leu Ala Arg Gly Leu Pro Gly Ala Leu Ala Ala Gln Gly Arg Thr
 20 25 30
 Phe Ser Val Leu Leu Ala Arg Leu Met Val Thr Ala Gln Val Leu
 35 40 45
 Pro Arg Gly Ala Ala Val Ser Pro Leu His Asp Cys Pro Arg Gly
 50 55 60
 Ser Leu Arg Gln His His Leu Leu His Gln Arg Gly Pro Ala Trp
 65 70 75
 Asp Leu Pro Glu Ala Ala Arg Ala Thr Ala Pro Arg His His Leu
 80 85 90
 Leu Arg Gly Arg Gly Gly Ala His Tyr Gly Gln Thr Val Pro Gly
 95 100 105
 Pro His Arg Leu Leu Arg Val Pro Gly Gln Pro Asp Tyr His His
 110 115 120
 Ala Pro Pro Ala Ala Val Gly His Trp His Leu His Leu Pro Gly
 125 130 135
 His His Gly Gly Gln Cys Leu Arg Leu Arg His Pro Gly Pro Gly
 140 145 150
 Asp Arg Gly Thr Val Pro Arg Met Ala Gln Met Leu Gly Arg Pro
 155 160 165
 Thr Lys Gly Leu Cys Pro Pro Cys Pro Thr Asp Arg Leu Arg Pro
 170 175 180

Pro

<210> 33
 <211> 412
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No: 7521033CD1

<400> 33

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
1			5						10				15	
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
					20				25				30	
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
	35							40					45	
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
		50						55				60		
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
	65							70				75		
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
	80							85				90		
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
		95						100				105		
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
		110						115				120		
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala
		125						130				135		
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala
		140						145				150		
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg
		155						160				165		
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro
		170						175				180		
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro
		185						190				195		
Pro	Cys	Pro	Val	Ala	Gly	Gly	Trp	Gly	Pro	Trp	Gly	Pro	Val	Ser
		200						205				210		
Pro	Cys	Pro	Val	Thr	Cys	Gly	Leu	Gly	Gln	Thr	Met	Glu	Gln	Arg
		215						220				225		
Thr	Cys	Asn	His	Pro	Val	Pro	Gln	His	Gly	Gly	Pro	Phe	Cys	Ala
		230						235				240		
Gly	Asp	Ala	Thr	Arg	Thr	His	Ile	Cys	Asn	Thr	Ala	Val	Pro	Cys
		245						250				255		
Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	Pro	Cys
		260						265				270		
Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	Pro	Gly
		275						280				285		
Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	Asp	Gly
		290						295				300		
His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	Tyr	Ser
		305						310				315		
Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	Ser	Thr
		320						325				330		
Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr	Arg	Ala
		335						340				345		
Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro	Pro	Thr
		350						355				360		
Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr	Phe	Trp
		365						370				375		
Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln	Lys	Leu
		380						385				390		
Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala	Cys	Lys
		395						400				405		
Asp	Pro	Glu	Glu	Glu	Glu	Glu	Leu							
		410												

<210> 34

<211> 354

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521107CD1

<400> 34

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
1			5					10					15	
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
					20				25				30	
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
	35							40				45		
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
		50						55				60		
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
	65							70				75		
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
	80							85				90		
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
	95							100				105		
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
	110							115				120		
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala
	125							130				135		
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala
	140							145				150		
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg
	155							160				165		
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro
	170							175				180		
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro
	185							190				195		
Pro	Cys	Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser
	200							205				210		
Pro	Cys	Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile
	215							220				225		
Pro	Gly	Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe
	230							235				240		
Asp	Gly	His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys
	245							250				255		
Tyr	Ser	Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp
	260							265				270		
Ser	Thr	Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr
	275							280				285		
Arg	Ala	Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro
	290							295				300		
Pro	Thr	Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr
	305							310				315		
Phe	Trp	Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln
	320							325				330		
Lys	Leu	Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala
	335							340				345		
Cys	Lys	Asp	Pro	Glu	Glu	Glu	Glu	Leu						
	350													

<210> 35

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521220CD1

<400> 35

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1									10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
									25					30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
									40					45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
									55					60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
									70					75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
									85					90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
									100					105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
									115					120
Ser	Val	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile	Arg	Tyr
									130					135
Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe	Leu	Leu
									145					150
His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met	Asn	Gln
									155					165
Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser	Asp	Glu
									170					180
Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His	Cys	Ile
									185					195
Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser	Lys	Arg
									200					210
Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn	Ala	Glu
									215					225
Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln	Ala	Leu
									230					240
Met	Gly	Ser	Ser	Arg	Glu	Thr	Thr	Ala	Leu	Ser	Gln	Thr	Gln	Leu
									245					255
Ala	Ser	Ser	Asn	Val	Pro	Ala	Ala	Gly	Ile					
									260					265

<210> 36

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7519269CB1

<400> 36

tgc	cagg	ggcg	caca	acgg	cc	gtgt	ccac	ct	cccgg	ccca	agat	ggtg	ct	ccac	agg	gc	
																	60
agcc	ac	cg	gt	agc	ag	cc	aga	g	cat	gt	gg	c	t	tt	cc	ac	gg
																	120
tt	gct	gac	gg	c	cc	ct	tt	g	tt	tt	cc	cc	at	cc	cc	cc	cc
																	180
a	acc	ctt	gg	ac	cc	tt	gg	cc	cc	tt	gg	cc	cc	tt	tt	cc	cc
																	240
aa	ac	at	gt	gg	at	cc	gg	cc	tt	tt	cc	cc	cc	cc	cc	cc	cc
																	300
c	ct	cc	at	cc	cc	tt	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	360
a	act	tt	tt	cc	cc	tt	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	420
t	cc	ac	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	480
c	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	540
c	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	600
g	tata	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	660
cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	720
c	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc	cc
																	772

<210> 37
 <211> 1108
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519418CB1

<400> 37

tgccaggcg	cacaacggcc	gtgtccacct	cccgccccca	agatggtgct	tcccacaggc	60
agccacgcgt	agcagccaga	gacagctcca	gacatgtggc	tcttcttcgg	gatcaactgga	120
ttgctgacgg	cagccctc	agaatcttct	gtgacagtga	aaatagagaa	caaggaatct	180
cgggagctaa	tgctcctcat	cccttccatc	gttctggaa	ttctcctcct	tggctccctc	240
atcttcata	ccttcatcct	cttgagaatt	aaagggaaaat	atgtttcat	gctgcccattc	300
caggtccagg	ccccgcccccc	tgaggactca	gactctggct	cggaactcaga	ctatgagcac	360
tatgacttca	gcccggcagcc	tcctgtggcc	ctgaccacct	tctacaattc	ccagcggcat	420
cgggtcacag	atgaggaggt	ccagcaaaagc	aggttccaga	tgccaccctt	ggaggaagga	480
cttgaagagt	tgcatgccc	ccacatccca	actgccaacc	ctggacactg	cattacagac	540
ccgcccattcc	tggggcctca	gtatcaccctg	aggagcaaca	gtgagtcgag	caccccttcg	600
ggggaggatt	actgcaatag	tcccaaaagc	aagctgcctc	catggAACCC	ccaggtgttt	660
tcttcagaga	ggagttcctt	cctggagcag	cccccaaaact	tggagctggc	tggcacccag	720
ccagccttt	cagggtcccc	cagccctcag	cctgactcca	ccgacaacga	tgactacgat	780
gacatcagcg	cagccttaggc	cggggccagc	cgaggtctct	gggggtggctc	tgaccctctg	840
gcctcctgt	ctacctactc	cccttccccc	ttcccaccc	cccagctcac	ctccccatgg	900
agctgagagg	cctcccttgg	agagatggaa	ggaaacgtta	taccttgcac	ccctcggtct	960
ccatccatca	agccaaacact	gctgccacag	ccctcccccc	gccccagata	gcagccccag	1020
ggaggatgt	gcctccaaga	ggtgtgagcc	ctctgtctcg	gggatgaaca	agcagagtct	1080
gggttaccc	ttgacagctg	gtggagga				1108

<210> 38
 <211> 947
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519531CB1

<400> 38

tgccaggcg	cacaacggcc	gtgtccacct	cccgccccca	agatggtgct	tcccacaggc	60
agccacgcgt	agcagccaga	gacagctcca	gacatgtggc	tcttcttcgg	gatcaactgga	120
ttgctgacgg	cagccctc	agattccca	cgccatcg	tcacagatga	ggaggtccag	180
caaagcagg	tccagatgcc	acccttggag	gaaggacttg	aagagttgca	tgcttccac	240
atcccaactg	ccaaccctgg	acactgcatt	acagaccgc	catccctggg	ccctcagtat	300
cacccgagga	gcaacagtga	gtcgagcacc	tcttcagggg	aggattactg	caatagtccc	360
aaaagcaagc	tgcctccat	gaacccccc	gtgtttctt	cagagaggag	ttccttcctg	420
gaggagcccc	caaacttgg	gttggccggc	acccagccag	ccttttcagg	gccccccggct	480
gatgacagct	ccagcacctc	atccggggag	ttgttaccaga	acttccagcc	accacccca	540
cccccttcgg	aggagcagtt	tggctgtcca	gggtccccca	gcccctcagcc	tgactccacc	600
gacaacgatg	actacgatga	catcagcgc	gccttagggc	ggcccgccg	aggctccctg	660
gggtggctctg	accctctggc	ctctgtct	acctactccc	tttccccctt	ccacccctcc	720
cagctcacct	ccccatggag	ctgagagggc	ctcccttgg	gagatggaa	gaaacgctat	780
accttgcattc	cctcggtctc	catccatcaa	gccaacactg	ctgcccacagc	cctccccccgg	840
ccccagatag	cagccccagg	gaggatgctg	cctccaagag	gtgtgagccc	tctgtctcgg	900
ggatgaacaa	gcagagtctg	ggcttaccc	tgacagctgg	ttggagga		947

<210> 39
 <211> 821
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte ID No: 7519542CB1

<400> 39
 tctgctgccc cccgacatgt gacccagccc cgccgcccatt gcggttccc ggccgcccgg 60
 ccctgcggcc gctggcgctg cggccgctgc tgctgttgc cctggcgccg ccttggggac 120
 gggcagttcc ctgtgttctt ggtggttgc ctaaacctgc aaacatcacc ttcttatcca 180
 tcaacatgaa gaatgtccta caatggactc caccagaggg tcttcaagga gttaaagttt 240
 cttacactgt gcagttttc attggtccca gtgtgtgacc aaccacacgc tgggtctcac 300
 ctggctggag cccgaacactc ttactgcgt acacgtggag tccttcgtcc cagggcccc 360
 tcggcgtgct cagccttctg agaagcagtg tgccaggact ttgaaagatc aatcatcaga 420
 gttcaaggct aaaatcatct tctggatgt tttgcccata tctattaccg tgggtttttt 480
 ttctgtgatg ggctattcca tctaccgata tatccacgtt ggc当地agaga aacacccagc 540
 aaatttgatt ttgattttagt gaaatgaatt tgacaaaaga ttctttgtgc ctgctgaaaa 600
 aatcgtgatt aactttatca ccctcaaatat ctggatgtat tctaaaattt ctcatcagga 660
 tatgagttt ctggggaaaaaa gcagtgtatgt atccagcctt aattgtatcct cagccagcgg 720
 gaacctgagg gccccctcag gacggaaaga ggacgggtgaa accatthaag ggtatgtttt 780
 cgcattttgc atcgaaaaatt ttgggtgact cttgaagaaaa c 821

<210> 40
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7519541CB1

<400> 40
 tggctgagcc cccggctccc cgctccccctt ctccctccatc cccgggtgaaa actgcgggct 60
 ccgagctggg tgcagcaacc ggaggcggcg ggcgtctgg aggaggctgc agcagcggaa 120
 gaccccaagtc cagatccagg actgagatcc cagaaccatg aacctggcca tcagcatcgc 180
 tctccctgcta acagtcttgc aggtctccc agggcagaag gtgaccagcc taacggcctg 240
 cctagtggac cagagccttc gtcggactg ccggccatgag aataccagca gttcacccat 300
 ccagttacgag ttccagctga cccgtgagac aaagaagcac gtgctcttg gcactgtggg 360
 ggtgcctgag cacacatacc gtcggcgaac caacttcacc agcaaataaca acatgaaggt 420
 cctctactta tccgccttca ctagcaagggc cgagggcacc tacacgtgtg cactccacca 480
 ctctggccat tccccaccca tctccctccca gaacgtcaca gtgctcagag gcccacggatt 540
 tcatgtccct gtgactgggt gggcccatgg aggagacagg aagcctcaag ttccagtgca 600
 gagatcctaa 610

<210> 41
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520794CB1

<400> 41
 tgattcaaag caacaccacc accactgaag tatttttagt tatataagat tggaactacc 60
 aagcatgtgg ctccctggtca gtgttaattct aatctcacgg atatcctctg ttgggggaga 120
 agcaatgttc tgtgattttc caaaaataaa ccatgaaatt ctatatgatg aagaaaaata 180
 taagccattt tcccaagttc ctacagggga agtttctat tactcctgtg aatataattt 240
 tgggtctcct tcaaaatctt tttggactcg cataacgtgc gcagaagaag gatggtcacc 300
 aacacccaaag tgtctcattt ctgcagaaaa atgtggggcc cctccaccta ttgacaatgg 360
 agacattact tcatttcgt tgcgtatgt tgctccaggt tcatcagttt agtaccagt 420
 ccagaacttg tatcaacttg agggtaacaa tcaaataaca tgttagaaacg gacaatggc 480
 agaaccacca aaatgcttag atccatgtgt aatatcacaa gaaattatgg aaaaatataa 540
 cataaaaatataa aagtggacaa accaacaaaaa gctttattca agaacaggtg acatagttga 600
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 <213> Homo sapiens

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 caccgcggccccc tggatccgc aggtccctta cacggctctcc tgggtcaaga agtttgcacg 180
 gctacagagt atcttcccag attttctaa agctggcatg gaacgagctt ttctccact 240
 tacctccca aataagcatt tagggctagt gactcctcac aagacagaac tggtatgagc 300
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agggaaagag gcagaacaag gggaggtgga catggagagc caccggaatg ccaacgcaga 480
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<210> 46
<211> 454
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7520129CB1

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tacgacaatg cggtaacact tagctgcaag tattcctaca atcttttctc aaggagttc 180
cgggcattcc ttcacaaaagg actggatagt gctgtggaaatg tctgtgttgt gtatggaaat 240
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<210> 47
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cgtgggtgtc gctgagaccg actaccagag tttcgtctgtc ctgtacctgg agcgggggg 420
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cccgacac acgtccagg 619

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 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520229CB1

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<210> 49
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 <212> DNA
 <213> Homo sapiens

<220>
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 cagtagccctc cgaaagctgg atgggatctg ttggcaggcg cgccagctct atggagacac 360
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<220>
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 cacggccggcc cgcaccccccc atcagcacca tccagccaa ggccaatttt gacgcgcagc 180
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 <211> 962
 <212> DNA
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<220>
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 <212> DNA
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<220>
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 <213> Homo sapiens

<220>
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 <212> DNA
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 <213> Homo sapiens

<220>
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 gtcatttagt tccaactgct actttatttc tactgaatca gcatcttggc aagacagtga 180
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 <213> Homo sapiens

<220>
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<212> DNA
<213> Homo sapiens

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<211> 471
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7515599CB1

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7520320CB1

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 <213> Homo sapiens

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 <211> 878
 <212> DNA
 <213> Homo sapiens

<220>
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<211> 1314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<211> 1139

<212> DNA

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<223> Incyte ID No: 7521107CB1

<400> 69

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<212> DNA
<213> Homo sapiens

<220>
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